AK0701
3/21/89
4a

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA)

Region 10 Inspection Checklist

Purpose--This checklist is designed to serve as a guideline to the major points of the regulations adopted pursuant to RCRA for inspectors to use while visiting hazardous waste (HW) regulated facilities. This checklist should not serve as a substitute for a detailed knowledge of the relevant regulations. The following is the outline of the checklist.

I. General Information
II. Small Quantity Generator (SQG) Regulations (40 CFR 261.5)
III. Generator Regulations (40 CFR 262)
IV. Transporter Regulations (40 CFR 263)
V. Treatment, Storage, and Disposal (TSD) Interim Status Regulations (40 CFR 265)
VI. Treatment, Storage, and Disposal (TSD) Permit Status Regulations (40 CFR 264)

I. General Information (Date Revised November 21, 1983)

A. Date/Time Inspection commenced: March 21, 1989 9:30 a.m.

B. Facility
EPA/State ID AKD000850 70
Name & Addresses MAPCO Alaska Petroleum Inc.
1. Mailing: 1100 H & H Lane
2. Location: 1100 H & H Lane
North Pole, Alaska 99705

Contact: Kathleen McCullam-Buscevich
Telephone: (907) 488-2741 Ext. 233

C. Compliance Summary

	IN	OUT	N/A
RCRA (Statute)	(✓)	( )	( )
40 CFR 270	(✓)	( )	( )
40 CFR 124	( )	( )	(✓)
40 CFR 261.5	( )	( )	(✓)
40 CFR 262	(✓)	( )	( )
40 CFR 263	(✓)	( )	( )
40 CFR 264 (Permit)	(✓)	( )	( )
40 CFR 265	( )	(✓)	( )

Specific Violations: No violations discovered as a SMQG

D. Inspector

Name (Print) Pion Lillich Title: Scientist
Signature Pion J Lillich
Organization DEC
Phone (907) 465-2671

E. **Inspection Participants:**

Name	Title	Phone #
Jeff Ingalls	FFO, DEC	(907)-465-2671
Leslie Simmons	FFO, DEC	(907)-452-1714
Kathleen McCullum Buscovich	MAPI, Env. Coord.	(907)-488-2741
Gerald Fritz	MAPI Gen. Mtn.	" "
David Dowse	Eng. Mgr.-MAPI	" "

F. **Notification/Permit Information**

1. Started operation: 10/77 Date: _____
2. Notification filed: (YES) NO Date: 1987
3. Part A application filed: YES (NO) Date: _____
4. Part B called/Date Due YES (NO) Date: _____
5. Part B application: YES (NO) Date: _____
6. Changes in Notification or Part A: None
7. Facility's classified as:

Generator	(Y)
Transporter	( )
Treatment facility	( )
Storage facility	(Y)
Disposal facility	(Y)
Small quantity generator	(Y)
Recycler	( )
Less than 90 day storage	( )
Wastewater treatment unit exemption (WWTU)	( )
Elementary neutralization unit exemption (ENU)	( )

8. Does facility have a Part A withdrawal request in ? YES (NO)

Status _____

Comments: _____

6. Hazardous Waste Generation (HW)and Management (List EPA Waste Code)

1. General information See Report Narative

a. Characteristic HW (DXXX)?

(1) Ignitability D001
(2) Corrosivity
(3) Reactivity
(4) EP Toxicity D009, D008

b. Listed HW?

(1) HW from non-specific sources (FXXX)
F002

(2) HW from specific sources (KXXX)
K050

c. Discarded commercial chemical product(PXXX or UXXX)

(1) PXXX potentially from 12b
(2) UXXX

d. Has facility petitioned to delist waste? YES (NO)

Date: Comments:

e. Does facility qualify for WWTU or ENU? YES (NO)

Comments:

f. Has a determination been made for each waste generated that it is or is not a RCRA hazardous waste? YES

(1) What are the wastes generated? VARIOUS- See Narrative

(2) How was the hazardous waste determination made for each waste (i.e., lab analyses, knowledge of waste streams or processes, waste listed in Part 261)?

Comments: Some on knowledge i.e. K050 and some on analysis i.e. D001 Sump sludge

(3) Are records available on the determination(s)? (YES) NO

(4) Are all hazardous wastes noted during inspection listed on the facility's RCRA notification/ Part A application? YES (NO)

If so explain. → Incorrect wastes listed on facility's notification.

2. Specific information
Provide the following information for each of the individual HW streams listed above. (Complete a separate form for each HW.)

See Narrative Report

a. EPA HW Code
b. HW description
c. Composition (including sampling requirements)
d. Process producing waste:
e. Rate of waste production
f. Time of storage
g. Waste handling prior to disposal
h. Waste disposal practice and manifest
i. Reporting and recordkeeping
j. Comments

H. <u>Miscellaneous Notes</u>:

II. Small Quantity Generator (SQG) Regulations 40 CFR 261.5 (Date Revised November 21, 1983)

N/A

A. General

1. Has the generator ever accumulated more than 1000 kilograms of D, F, K or U coded HW or 1 kilogram of P coded HW [261.5(f)]? YES NO

   a. If yes, generator must comply with the generator regulations (262) and if stored for more than 90 days the applicable TSD regulations. Refer to Generator and/or TSD inspection checklist.

B. Small Quantity Generator (SQG) Regulations

1. A SQG must determine if he generates a hazardous waste (262.11). YES NO

2. Which of the following describes the SQG's treatment and/or disposal of his HW?

   a. occurs on-site YES NO

   b. ensure delivery to an off-site facility, either of which is:

      (1) permitted under Part 270 YES NO

      (2) in interim status under Part 270 and 265 YES NO

      (3) authorized to manage HW by an authorized state YES NO

      (4) permitted, licensed or registered by a State to manage municipal or industrial solid waste; or YES NO

      (5) (a) facility which

         (a) beneficially uses, re-uses recycles or reclaims his HW YES NO

         b. treats his waste prior to use, re-use, recycle, or reclamation YES NO

3. Does generator manifest his wastes (not required)? YES NO

III. Generator Regulations 40 CFR 262 (Date Revised November 21, 1983)

A. Is the facility or does facility claim to be a small quantity generator? (YES) NO

Comments: _____

B. Does generator transport its own waste? YES (NO)

1. If NO, what is contractor's EPA ID, name, address, and phone? • Carlile Enterprises AKD122081243 & • Alaska Cargo Transport WAD051251957

2. If YES, see Transporter Regulations (Section III).

C. Does generator use the manifest system? (YES) NO

1. Does the Generator ever offer his hazardous waste to transporters or to TSD facilities which do not have an EPA ID number? YES (NO)

What transporters or TSD facilities?

2. A generator transporting or offering for transport hazardous waste for off-site TSD must first prepare a manifest.

3. If the waste is undeliverable to the primary or alternate facility, the generator must either designate another alternate facility or instruct the transporter to return the waste.

Does the manifest contain the following information:

a. Manifest document number (YES) NO

b. Generator's name, mailing address, phone number, and EPA ID number (YES) NO

c. Name and ID number of each transporter (YES) NO

d. Name, address and EPA ID number of the designated and alternate TSD facilities, if any. (YES) NO

e. Description of waste(s) required by DOT regulations in 49 CFR 172.101, 172.202, 172.203. (YES) NO

- Proper shipping name — YES NO
- Hazard Class — YES NO
- Identification number — YES NO

f. Total quantity of each hazardous waste by units of weight or volume and type and number of containers placed aboard transport vehicle. — YES NO

4. Does the manifest contain the certification attesting to proper classification, description, packaging, labeling, marking and condition in accordance with DOT and EPA regulations? — YES NO

5. Does the manifest contain an adequate number of copies to provide one copy for:

a. Generator's records — YES NO

b. Records of each transporter — YES NO

c. TSD facility owner or operator's records — YES NO

d. Signature by each transporter and return to generator — YES NO

e. Signature by TSD facility and return to generator — YES NO

6. Does the generator use the manifest properly by:

a. Signing the certification — YES NO

b. Obtaining signature and date of acceptance from initial transporter — YES NO

c. Retaining one copy of the transporter's signed manifest for 3 years or until receipt of a signed copy from disposal facility — YES NO

d. Giving transporter the remaining copies of the manifest — YES NO

7. Does the generator contact the transporter and/or the designated TSD facility to determine the shipment status in the event that a signed copy from the designated facility has not been received within 35 days? — N/A YES NO

8. Does the generator submit an Exception Report to the U.S. EPA in the event that a signed copy of the manifest has not been received from the designated TSD facility within 45 days? N/A YES NO

9. The Manifest Exception Report must include

   a. A legible copy of the manifest and

   b. A letter of explanation describing efforts and results of status investigation.

********** TSD FACILITIES SKIP TO MODULE V **********

D. Does generator operate a specific area on-site for container handling or storage? (YES) NO

1. Does generator comply with the requirements set forth in governing on-site waste accumulation: (YES) NO

   a. Labeling and marking (YES) NO

   b. Dating (YES) NO

   c. Inspections (weekly for containers) (YES) NO

2. Are incompatible wastes segregated? N/A YES NO

3. What quantities of HW are stored? 1 drum - spent kerosene - D001

4. What is the longest period that it has been stored? dated 1/12/89

5. Were there any hazardous wastes stored on site at the time of inspection? (90 day storage allowance is allowed only if waste is stored in accordance with §262.34; i.e. must be stored in containers or tanks. Thus need to make note if storing in waste pile, etc.) (YES) NO

   a. If yes, do they appear properly packaged (if in containers) or, if in tanks, are the tanks secure? (YES) NO

   b. If not properly packaged or in secure tanks, please explain. N/A YES NO

   c. Are containers clearly marked and labeled? (YES) NO

   d. Do any containers appear to be leaking? YES (NO)

   e. If yes, approximately how many? N/A

6. Generators may store hazardous waste for less than 90 days without a permit or TSD status providing certain requirements have been met. YES NO

a. Are the containers made of or lined with materials which will not react with and are compatible with the hazardous waste to be stored in them? (YES) NO

b. Are the containers always closed, except to add or remove waste? (YES) NO

c. Are container storage areas inspected weekly for leaks and container deterioration (40 CFR 265.174)? (YES) NO

d. Are precautions taken to prevent accidental ignition or reaction of ignitable or reactive waste? (YES) NO

e. Are containers holding ignitable or reactive waste located at least 50 feet from the facility's property line? (YES) NO

f. Is the facility aware of and complying with the following requirements for incompatible wastes: N/A – no incompatibles observed

(1) Incompatible wastes must not be placed in the same containers, unless in compliance with 265.17(b) YES NO

(2) HW must not be placed in an unwashed container that previously held an incompatible waste YES NO

(3) Are storage containers holding HW that are incompatible with any waste or other material stored nearby separated from or protected from them by means of a dike, berm, wall, or other device? YES NO

Explain?

g. Are containers marked or labeled in a manner equivalent to 40 CFR 172 subpart E? (YES) NO

h. Comments:

7. a. Does the generator import or export HW? YES NO

b. If yes, has notification of this activity been submitted to the EPA Regional Administrator? YES NO

c. Is a copy of that notification available? (If yes, obtain copy). YES NO

d. If a copy is not available, or can not be obtained, determine: 1) when the notification was submitted; 2) for what waste type and; 3) for what foreign facility (name and address). YES NO

8. TANKS – N/A - no hazardous waste storage tanks

Where tanks are used to store hazardous waste, the requirement of 40 CFR Part 265 Subpart J must be complied with (except 265.193), as follows:

a. Is storage in tanks conducted such that:

(1) It does not generated heat, pressure, fire, explosion or violent reaction? (If no, explain) YES NO

(2) It does not produce uncontrolled toxic mists, fumes, dusts, or gases? (If no, explain) YES NO

(3) It does not produce uncontrolled flammable fumes or gases? YES NO

(4) It does not damage the tank? YES NO

(5) It does not threaten the environment in other ways (i.e., leaks, spills)? YES NO

Comments:

b. Is 2 feet of freeboard maintained in uncovered tanks? YES NO

If no, is secondary containment used? YES NO

(Explain)

c. Is the tank(s) continuously ed? YES NO

If yes, is there a means to stop inflow? YES NO

Explain

d. Are inspections of the following conducted:

(1) Discharge control equipment? YES NO
How often?

(2) Waste feed cut-off systems? YES NO
How often?

(3) Data from tank monitoring equipment? YES NO
How often

(4) The level of waste in the tank? YES NO
How often?

(5) The structural integrity of tank? YES NO
How often?
How are inspections conducted?
What is observed (looked for)?

(6) The immediate area around the tank for signs of leaks and the integrity of secondary containment (if any)? YES NO

e. (1) Have any tanks once used for storage of hazardous waste been closed or their function changed? When?

(2) Were all hazardous wastes and/or residues removed? YES NO

(3) What was the disposition of the wastes or residues (i.e., where did it go)? YES NO

(4) When shipped?

f. Are ignitable or reactive wastes placed in tanks? YES NO

If yes, what measures are used to prevent ingnition or reaction?

g. Have wastes been placed in a tank which previously contained potentially incompatible waste or residue? YES NO

h. (1) If reactive or ignitable wastes are stored in covered tanks, are they in compliance with the National Fire Protection Association's buffer zone requirements? YES NO

(2) Are "No Smoking" signs posted? YES NO

(3) Have others measures been adopted to reduce hazards associated with storage of ignitable or reactive waste in tanks? YES NO

Explain

9. Preparedness and Prevention (265 Subpart C)

a. Is facility maintained and operated to minimize the hazards of fire, explosion, and sudden or non-sudden releases to the environment? (YES) NO

Explain:

b. Is internal emergency communication equipment or alarm systems installed? (YES) NO

What type?

c. Is a device (e.g., telephone) immediately available for summoning emergency assistance? (YES) NO

d. Are fire extinguishers or other emergency equipment immediately available on-site? (YES) NO

e. Is emergency communications and response equipment tested? (YES) NO

How often?

f. Is aisle space adequate for emergency response? (YES) NO

What is the aisle spacing? Only one drum

g. (1) Have any arrangements been made with local emergency response organizations? (YES) NO

(2) Which organizations? local North Pole organizations

(3) If local organizations have declined to enter into response agreements, is this documented in the facility's operating record? N/A YES NO

Explain

10. Contingency Plan/Emergency Procedures

a. Has contingency plan been developed? (It may be a modified SPCC plan) (YES) NO

b. Have incidents occurred where the plan has been implemented? YES (NO)

c. Have incidents occurred where the plan should have been implemented but was not YES (NO)

Explain

d. A copy of the plan should either be obtained for post-inspection office review or it should be examined during inspection for the following:

(1) Does the plan describe actions to be taken by personnel in response to fire, explosion, or releases to the environment? (YES) NO

(2) Does the plan describe arrangements made with external emergency response organizations? (YES) NO

(3) Does the plan list those qualified to act as emergency coordinator including their name, address, and phone? (YES) NO

(a) Is the list current? (YES) NO

(4) Is all emergency equipment available at the facility listed in the plan? (YES) NO

(a) Is the location and a description of the equipment included? (YES) NO

(b) Are capabilities described for each piece or equipment unit? (YES) NO

(5) Does the plan include evacuation procedures including a description of signals to initiate evacuation (and routes and alternative routes)? (YES) NO

(6) Is a copy of the plan maintained at the active facility (versus main office)? (YES) NO

(a) Has a copy been supplied to appropriate off-site emergency response organizations? (YES) NO

To which?

(7) Is at least one designated person always available to respond to emergencies (i.e., of those on the coordinator list)? (YES) NO

How are they available

What are the limits of this person's authority to respond to emergencies? None

(8) Has an emergency occurred? YES (NO)

Was the plan implemented? YES NO

(Describe the incident) N/A

11. Personnel Training

a. Has a training program been developed? (YES) NO

What type? (Classroom? On-the-job Training?)

b. Does the program include contingency plan and response training? (YES) NO

c. Does the program include measures to familiarize personnel with emergency response equipment, procedures, and systems including:

(1) Procedures for using and maintaining equipment? (YES) NO

(2) Key parameters for automatic waste feed cut-off? (YES) NO

(3) Communications or alarm equipment? (YES) NO

(4) Response to fire and explosion? (YES) NO

(5) Response to ground water contamination incidents? (YES) NO

(6) Facility shut down? (YES) NO

d. Are records available at the facility for the following:

(1) Job title for each position related to hazardous waste management and maintaining equipment? (YES) NO

(2) Written job description for each job title? (YES) NO

(a) Does the job description include the skill, education or qualifications required for the position? YES NO

(b) The duties assigned to that position? YES NO

(3) A written description of the type and amount of training to be given to those in each job position? YES NO

(4) A record of training completed or experience obtained for each job position by employee? YES NO

(5) Was the required training obtained within 6 months of employment or by May 19, 1981, by each individual involved in hazardous waste management activities? YES NO

E. Is Generator familiar with Generator Reporting Procedures?

1. Annual Reports YES NO
2. Exception Reports YES NO
3. Spills and Discharges into the Environment YES NO
4. Comments

F. Is generator aware of and complying with regulations concerning the preparation of hazardous waste for transport? YES NO

1. Packaging 40 CFR 173, 178, 179, and with requirements of STATE YES NO
2. Labeling, 49 CFR 172 YES NO
3. Marking 40 CFR 172 YES NO
4. Placarding 49 CFR 172 Subpart F YES NO
5. Containers with of hazardous waste must be marked with the following or essentially equivalent, words and in information, displayed in accordance with 40 CFR 172.304.

HAZARDOUS WASTE - State and Federal Law prohibits improper disposal. If found, contact the nearest police or public safety authority, and the U.S. Environmental Protection Agency.

Generator's Name and Address
Manifest Document No. _____

6. Comments"

6. Are any wastes generated at this facility being transported or stored prior to being recycled, reclaimed, or recovered?

YES (NO)

1. -If yes, what are they_____

a. Sludge ( )
b. Characteristic HW ( )
c. Listed HW ( )
d. Comments

IV. Transporter Regulations (40 CFR 263) (Date Revised November 21, 1983)

N/A

A. Transporter facility description.

1. Operates as a Transfer Facility — YES NO
2. Operates as a Storage Facility — YES NO
3. Operates as a Generator — YES NO
4. Imports Wastes — YES NO
5. Combines Manifested Shipments — YES NO

B. Does transporter have an EPA ID? — YES NO

C. Does the transporter comply with generator regulations under Part 262 if he imports hazardous waste or combines wastes of different DOT shipping descriptions into a single container? — YES NO

D. Does the transporter comply with storage regulations under Parts 270, 264, and 265 if he stores manifested shipments at a transfer facility for more than 10 days? — YES NO

E. Is transporter aware of and complying with manifest requirements under RCRA 263.20?

1. Before transporting HW is manifest dated and signed by generator? — YES NO
2. Does the transporter sign, date, and return a copy of the manifest to the generator before transporting waste off the generator's property? — YES NO
3. Does the transporter delivering hazardous waste to another transporter or the designated facility:

a. Obtain a signed and dated (S/D) copy of the manifest? — YES NO

b. Retain one copy of the manifest containing signatures of the generator, himself, next designated transporter or the designated TSD facility for 3 years from original manifest date? — YES NO

c. Give remaining copies of the manifest to accepting transporter or designated facility? — YES NO

4. Does transporter deliver the entire quantity of HW accepted to:

   a. The designated facility listed on the manifest? or YES NO

   b. The alternate designated facility in the event the shipment cannot be delivered to the designated facility? or YES NO

   c. The next designated transporter? YES NO

5. If delivery is not possible, does the transporter contact the generator and revise the manifest according to instructions? YES NO

F. In the event of a spill or discharge during transport, does the transporter comply with the requirements set forth in 40 CFR 263.30? YES NO

1. Give notice to generator YES NO

2. Give notice to the National Response Center (800-424-8802) if required by 40 CFR 171.15?

3. Report in writing, as required by 40 CFR 171.16, to the Director, Office of Hazardous Materials Regulations, Materials Transportation Bureau, Department of Transportation, Washington, D.C. YES NO

4. Comments YES NO

V. TREATMENT, STORAGE and DISPOSAL (TSD) Interim Status Regulations Facilities, 40 CFR 265. (Date Revised November 21, 1983)

A. Type of Activity → PAST ACTIVITIES - not presently being utilized or being in the process of being closed.

1. Storage

a. Containers	(✓)
b. Tanks	
(1) Above ground	( )
(2) Below ground	( )
c. Surface Impoundments	(✓)
d. Waste Piles	( )
e. Other	( )

2. Treatment

a. Settling	( )
b. Evaporation	( )
c. Filtration	( )
d. Energy Recovery	( )
e. Incineration	( )
f. Thermal Treatment	( )
g. Recycling/Recovery	( )
h. Chem/Phys/Biological	( )
i. Other	( )

3. Disposal

a. Landfill	( )
b. Land Treatment	( )
c. Surface Impoundment	( )
d. Incineration	( )
e. Other	( )

4. Comments:

5. Are hazardous wastes accepted from "outside" (off-site) sources(wastes not generated on site)? YES (NO)

   a. If YES, has a chemical and physical analysis of a representative sample been obtained in accordance with 40 CFR 265.13? YES NO

   b. Does the facility confirm that each hazardous waste received at the facility matches the identity of the waste on the manifest? YES NO

   c. How does the facility determine this?

B. Subpart B - General Facility Standards (40 CFR 265.10 - 265.17)

1. Does the facility obtain a detailed analysis of his waste prior to storing, treating, or disposing of it? (YES) NO

   Describe:

2. Does the facility follow a Written Waste Analysis Plan
   Does the Plan include?

   a. Parameters to be tested? (YES) NO
   b. Methods of analysis? (YES) NO
   c. Methods to get representative samples? (YES) NO
   d. Testing frequency? (YES) NO

   Comments:

3. Did inspector collect a copy of the Plan for a thorough review of it at EPA's offices? YES (NO)

4. Security

   a. Have site owner/operators taken appropriate measures to ensure against unauthorized entry? (YES) NO

      (1) Are signs posted at each entrance to active portion, and at other locations, in sufficient numbers to be seen by an approach? (YES) NO

      (2) Are they legible from a distance of 25 feet or more? (YES) NO

      (3) Does the facility have a 24-hour surveillance system or artificial or natural barrier/or combination of both, to control access to the active portion? (YES) NO

      Comments:

5. Does the facility follow a Written Inspection Schedule (40 CFR 265.15? (YES) NO

   a. Does it include inspecting all:
      Monitoring equipment? (YES) NO
      Safety and emergency equipment? (YES) NO
      Security devices? (YES) NO
      Detecting equipment? (YES) NO

Dangerous waste storage areas? (YES) NO

b. Is this inspection schedule maintained at the facility? (YES) NO

c. Is an inspection log maintained? (YES) NO

(1) Is the log, or its summary, kept at the facility for at least three years from the date of inspection? (YES) NO

(2) Does the log include:

(a) date of time of inspection? (YES) NO

(b) inspectors name? (YES) NO

(c) observations? (YES) NO

(d) date and nature of repairs? (YES) NO

Comments:

6. Personnel Training (40 CFR 265.16)

a. Has a training program been developed? (YES) NO
What Type? (Classroom/on-the-job)

b. Does the program include contingency plan and response training? (YES) NO

c. Does the program include measures to familiarize personnel with emergency response equipment, procedures, and systems including: (YES) NO

(1) Procedures for using and maintaining equipment? (YES) NO

(2) Key parameters for automatic waste feed cut-off systems. (YES) NO

(3) Communications or alarm equipment (YES) NO

(4) Response to fire and explosions (YES) NO

(5) Response to ground water contamination incidents? (YES) NO

(6) Facility shut down? (YES) NO

d. Are records available at the facility for the following:

(1) Job title for each position related to hazardous waste management and maintaining equipment? (YES) NO

(2) Written job description for each job title? (YES) NO

(a) Does the job description include the skill, education or qualifications required for the position (YES) NO

(b) The duties assigned to that position? (YES) NO

(3) A written description of the type and amount of training to be given to those in each job position? YES (NO)

(4) A record of training completed or experience obtained for each job position by employee (YES) NO

(5) Was the required training obtained within 6 months of employment or by May 19, 1981, by each individual involved in hazardous waste management activities? (YES) NO

C. Subpart C - Procedures and Preventions (40 CFR 265.30)

1. Is facility maintained and operated to minimize the hazards of fire, explosion, and sudden or non-sudden releases to the environment? (YES) NO

   Explain:

2. Is internal emergency communication equipment or alarm systems installed? (YES) NO

   What type?

3. Is a device (e.g., telephone) immediately available for summoning emergency assistance? (YES) NO

4. Are fire extinguishers or other emergency equipment immediately available on-site? (YES) NO

5. Is emergency communications and response equipment tested? (YES) NO

   How often?

6. Is aisle space adequate for emergency response? (YES) NO

   What is the aisle spacing?

7. Have any arrangements been made with local emergency response organizations? (YES) NO

8. Which organizations?

9. If local organizations have declined to enter into response agreements, is this documented in the facility's operating record? (YES) NO

   Explain

C. Subpart C - Procedures and Preventions (40 CFR 265.30)

1. Is facility maintained and operated to minimize the hazards of fire, explosion, and sudden or non-sudden releases to the environment? (YES) NO

   Explain:

2. Is internal emergency communication equipment or alarm systems installed? (YES) NO

   What type?

3. Is a device (e.g., telephone) immediately available for summoning emergency assistance? (YES) NO

4. Are fire extinguishers or other emergency equipment immediately available on-site? (YES) NO

5. Is emergency communications and response equipment tested? (YES) NO

   How often?

6. Is aisle space adequate for emergency response? (YES) NO

   What is the aisle spacing?

7. Have any arrangements been made with local emergency response organizations? (YES) NO

8. Which organizations?

9. If local organizations have declined to enter into response agreements, is this documented in the facility's operating record? (YES) NO

   Explain

D. Subpart D - Contingency Plan and Emergency Procedures 40 CFR 265.50

1. Has contingency plan been developed? (It may be a modified SPCC plan) YES NO

2. Have incidents occurred where the plan has been implemented? YES NO

3. Have incidents occurred where the plan should have been implemented but was not YES NO

   Explain

4. A copy of the plan should either be obtained for post-inspection office review or it should be examined during inspection for the following:

   a. Does the plan describe actions to be taken by personnel in response to fire, explosion, or releases to the environment? YES NO

   b. Does the plan describe arrangements made with external emergency response organizations? YES NO

   c. Does the plan list those qualified to act as emergency coordinator including their name, address, and phone? YES NO

      (1) Is the list current? YES NO

   d. Is all emergency equipment available at the facility listed in the plan? YES NO

      (1) Is the location and a description of the equipment included? YES NO

      (2) Are capabilities described for each piece or equipment unit? YES NO

   e. Does the plan include evacuation procedures including a description of signals to initiate evacuation (and routes and alternative routes)? YES NO

f. Is a copy of the plan maintained at the active facility (versus main office)? (YES) NO

(1) Has a copy been supplied to appropriate off-site emergency response organizations? (YES) NO
To which?

5. Is at least one designated person always available to respond to emergencies (i.e., of those on the coordinator list)? (YES) NO
How are they available

6. What are the limits of this person's authority to respond to emergencies?

a. Has an emergency occurred? YES (NO)

b. Was the plan implemented? YES (NO)

c. (Describe the incident)

E. Subpart E - Manifest System, Recordkeeping, and Reporting 40 CFR 265.70

1. Manifest System

a. Upon receipt of a manifested hazardous waste shipment, does the TSD facility: N/A

(1) Sign and date each copy of manifest receipt of certifying waste? YES NO

(2) Note any discrepancies on each copy? YES NO

(3) Give delivering transporter one signed and dated copy of the manifest? YES NO

(4) Send a S/D copy of the manifest to the generator within 30 days after delivery and? YES NO

(5) Retain a copy of each manifest at the facility for 3 years from delivery? YES NO

b. If the TSD facility initiates a hazardous waste shipment, does it comply with generator requirements in Part 262? (YES) NO

c. Does the TSD facility examine manifests and wastes received to detect any significant discrepancies in quantity or type of waste, such as: YES NO N/A

(1) Bulk waste-quantity variation of 10 percent or greater

(2) Batch waste - any variation in piece count

(3) Waste type - obvious differences discernible by inspection or waste analysis

d. If significant discrepancies are found, does the TSD facility:

(1) Reconcile discrepancies with generator or transporter within 15 days? or YES NO

(2) Immediately submit to EPA-RA a Discrepancy Report describing the discrepancy and attempts to resolve it and a copy of the manifest involved? YES NO

e. TSD facilities must keep a written operating record documenting the following details:

(1) Waste description and quantity received

(2) Methods and dates of its treatment, storage, and disposal

(3) The location and quantity of each HW at the facility

2. Operating Record

a. Does the owner/operator of the facility maintain an operating record at the facility (40 CFR 265.73)? (YES) NO

b. Does the record contain the following information.

(1) A description of, and the quantity of each HW received, and the method(s) and date(s) of its treatment, storage, or disposal at the facility? (YES) NO

(2) The location of each Hazardous Waste within the facility, and its quantity? (YES) NO

(3) A map showing disposal sites? YES NO N/A

(4) Summary reports and details of all incidents that require implementing the Contingency Plan? YES NO N/A

(5) Records and results of inspections as required (need only be kept three years)? (YES) NO

(6) All closure and post-closure cost estimates required for the facility? (YES) NO

(7) The results of testing and waste analysis? (YES) NO

3. Facility Reporting Procedures

a. Has the owner/operator prepared and submitted a single copy of the Annual Report to EPA by March 1 of each year? (YES) NO

b. Is owner/operator familiar with procedures for emergencies? (YES) NO

c. If a TSD facility accepts a regulated hazardous waste shipment without the required manifest or shipping paper, does it file an "Unmanifested Waste Report" within 15 days or receipt? YES NO N/A

F. Subpart F - Ground-Water Monitoring (40 CFR 265.90)

1. Are ground-water (GW) monitoring regulations required at this facility? (YES) NO

2. If YES, what is the relevant process unit?

a.	Surface impoundment	(✓)
b.	Waste pile	( )
b.	Land treatment	( )
c.	Landfills	( )
d.	Other	( )

Describe:

3. Has the owner/operator implemented a ground water monitoring plan? (YES) NO

4. If NO, has the facility implemented one of the following:

a.	GW Waiver [265.90(c)]	( )
b.	Alternate GW Monitoring System [265.90(d)]	( )
c.	Neutralization Waiver (265.90(e)]	( )
d.	Describe:	

5. Does the ground water monitoring program consist of the following:

a.	At least 1 upgradient and 3 downgradient wells?	(YES)	NO
b.	GW Sampling and Analysis Plan	YES	NO
c.	GW sampling quarterly first year	YES	NO
d.	GW sampling semiannually after that	YES	NO
e.	Drinking Water Standards parameters	YES	NO
	Sampling frequency_____		
f.	GW Quality parameters	YES	NO
	Sampling frequency_____		
g.	GW Indicator parameters	YES	NO
	Sampling frequency_____		
h.	GW elevation parameters	YES	NO
i.	Outline GW Quality Assessment Program	YES	NO
j.	Statistical Analysis of Indicator parameters	YES	NO

Did not inspect

Results:

6. Has the facility implemented GW Quality Assessment program. YES (NO)

   a. Date: _____
   b. Results:

7. Does the facility maintain the necessary records.

   a. Initial background parameter concentrations YES NO did not inspect
   b. Subsequent parameters concentrations YES NO
   c. Statistical evaluations YES NO

8. Has the facility reported necessary information YES NO

   a. DW Standards for 1st year YES NO
   b. GW Indicator parameters annually YES NO
   c. Statistical evaluation YES NO

9. Comments:

G. Subpart G - Closure and Post-Closure (40 CFR 265.110)

Closure

1. - Has the facility developed a closure plan which outlines all necessary steps to safely close the facility? (40 CFR 265.117) Did not inspect - was to be submitted to EPA at a later date.

   a. Description of how and when the facility will be partially closed (if applicable) and finally closed? YES NO

   b. Estimate of the maximum inventory of wastes in storage and in treatment at any time during the life of the facility? YES NO

   c. Description of the steps needed to decontaminate the facility equipment during closure? YES NO

   d. Comment:

Post-Closure

2. Has the facility developed a post-closure plan which contains the following steps to safely care for the facility after closure/post-close of the facility? (40 CFR 265.117) No, but may be subject to post-closure.

   a. Description of how post closure will be carried out for the next 30 years. ( ) ( )

   b. Notice to the local land authority within 90 days after closure is completed? ( ) ( )

   c. Notice in deed to property? ( ) ( )

H. Subpart H - Financial Requirements 40 CFR 265.140

1. Liability Did not inspect

- a. (1) Does facility maintain liability insurance for sudden occurrences in the amount of at least $1 million per occurrence with an annual aggregate of at least $2 million? YES NO

(2) By what method did the owner/operator demonstrate sudden liability coverages to the RA?

(a) If HW facility liability endorsement(s) ( )

(b) If HW facility certificate(s) of liability insurance ( )

(c) financial test ( )

(d) corporate guarantee ( )

(e) multiple mechanisms (specify) ( )

2. If a surface impoundment, landfill, or land treatment exist at the facility,

b. (1) does facility maintained liability insurance for nonsudden occurrence in the amount of at least $3 million per occurrence with an annual aggregate of at least $6 million? YES NO

(2) By what method did the owner/operator demonstrate non-sudden liability coverage to RA?

(a) HW facility liability endorsement(s)' ( )

(b) HW facility certificate(s) of liability insurance' ( )

(c) financial test ( )

(d) corporate guarantee ( )

(e) multiple mehcanisms (specify) ( )

c. Has owner/operator submitted an originally signed duplicate of liability coverage demonstration to RA?

d. Is wording of liability coverage instruments identical to that specified in 40 CFR 264.51?

YES NO

Comment:

2. Assurance

a. Closure

(1) Has facility prepared a written estimate of the cost of closing the facility in accordance with the closure plan (40 CFR 265.112)? Yes NO

(2) Is this cost estimate adjusted annually for inflation? YES NO

(3) Has facility established financial assurance for the closure of the facility (40 CFR 265.143)? YES NO

(4) By what method has this been achieved:

(a)	Trust fund	( )
(b)	Surety bond (with standby trust)	( )
(c)	Letter of credit (with standby trust)	( )
(d)	Insurance	( )
(e)	Financial test	( )
(f)	Corporate guarantee	( )
(f)	Multiple mechanisms	( )

(5) Has facility submitted an originally duplicate of financial assurance to RA? YES NO

(6) Is wording of the financial assurance statement identical to that specified in 40 CFR 264.151 YES NO

(7) Comment:

b. Post-Closure (Disposal Facilities)

(1) Has facility prepared a written estimate of the cost of post-closure monitoring and maintenance of the facility (40 CFR 265.144)? YES NO

(2) Is this cost estimate inflation adjusted annually YES NO

(3) Has owner/operator established financial assurance for the post-closure care of the facility (40 CFR 265.145)? YES NO

(4) By what method has this been achieved:

(a)	Trust fund	( )
(b)	Surety bond (with standby trust)	( )
(c)	Letter of credit (with standby trust	( )
(d)	Insurance	( )
(e)	Financial test	( )
(f)	Corporate guarantee	( )
(g)	Multiple Mechanisms	( )

8. Has owner/operator submitted an originally signed duplicate of financial assurance to Regional Administrator? YES NO

9. Is wording of the financial assurance statement identical to that specified in 40 CFR 264.151? YES NO

I. Subpart I Use and Management of Containers (40 CFR 265.170)

1. Does this section apply to this facility? (YES) NO

2. Are the containers made of or lined with materials which will not react with and are compatible with the hazardous waste to be stored in them? (YES) NO

3. Are the containers always closed, except to add or remove waste? (YES) NO

4. Are container storage areas inspected weekly for leaks and container deterioration (40 CFR 265.174)? (YES) NO

5. Are precautions taken to prevent accidental ignition or reaction of ignitable or reactive waste? (YES) NO

6. Are containers holding ignitable or reactive waste located at least 50 feet from the facility's property line? (YES) NO

7. Is the facility aware of and complying with the following requirements for incompatible wastes:

   a. Incompatible wastes must not be placed in the same containers, unless in compliance with 265.17(b) (YES) NO

   b. HW must not be placed in an unwashed container that previously held an incompatible waste (YES) NO

   c. Are storage containers holding HW that are incompatible with any waste or other material stored nearby separated from or protected from them by means of a dike, berm, wall, or other device? (YES) NO

   Explain?

8. Are containers marked or labeled in a manner equivalent to 40 CFR 172 subpart E? (YES) NO

9. Comments:

J. Subpart J - Tanks (40 CFR 265.190) — N/A — do not have tanks.

1. Does this section apply to this facility? YES NO

2. - Do tanks on the facility hold hazardous waste? YES NO

   If so, what are their contents?

   _____

   _____

3. Is storage in tanks conducted such that:

   a. It does not generated heat, pressure, fire, explosion or violent reaction? (If no, explain) YES NO

   b. It does not produce uncontrolled toxic mists, fumes, dusts, or gases? (If no, explain) YES NO

   c. It does not produce uncontrolled flammable fumes or gases? YES NO

   d. It does not damage the tank? YES NO

   e. It does not threaten the environment in other ways (i.e., leaks, spills)? YES NO

   Comments:

4. Is 2 feet of freeboard maintained in uncovered tanks? YES NO

   If no, is secondary containment used? YES NO

   (Explain)

5. Is the tank(s) continuously fed? YES NO

   If yes, is there a means to stop inflow? YES NO

   Explain

6. Are Hazardous Waste storage tanks operated in a manner which minimizes the possibility of overfilling? YES NO

   How:

   Waste feed cut-off ( )
   Bypass system to another tank ( )
   High level alarm ( )
   Other _____

7. Are inspections of the following conducted:

   a. Discharge control equipment? YES NO
      How often?

   b. Waste feed cut-off systems? YES NO
      How often?

   c. Data from tank monitoring equipment? YES NO
      How often

   d. The level of waste in the tank? YES NO
      How often?

   e. The structural integrity of tank? YES NO
      How often?
      How are inspections conducted?
      What is observed (looked for)?

   f. The immediate area around the tank for signs of leaks and the integrity of secondary containment (if any)? YES NO

8. Have any tanks once used for storage of hazardous waste been closed or their function changed? When?

   a. Were all hazardous wastes and/or residues removed? YES NO

   b. What was the disposition of the wastes or residues (i.e., where did it go)? YES NO

   c. When shipped?

9. Are ignitable or reactive wastes placed in tanks? YES NO

10. If yes, what measures are used to prevent ingnition or reaction?

11. Have wastes been placed in a tank which previously contained potentially incompatible waste or residue? YES NO

12. If reactive or ignitable wastes are stored in covered tanks, are they in compliance with the National Fire Protection Association's buffer zone requirements? YES NO

13. Are "No Smoking" signs posted? YES NO

14. Have others measures been adopted to reduce hazards associated with storage of ignitable or reactive waste in tanks? YES NO

- Explain

15. Waste Analysis and Trial Tests

Before treating and storing of hazardous waste in a tank is a detailed chemical and physical analysis of the waste obtained? YES NO

16. Does the company have and follow a written waste analysis plan? YES NO

a. Does the plan identify parameters used? YES NO

Explain

b. Sampling Method? YES NO

Explain

c. How frequent is analysis repeated? YES NO

d. Are results of waste analysis and trial tests placed in the facility's operating record.

17. Are waste analyses done when a tank is used to treat or store a HW which is substantially different or treated differently from waste previously treated or stored in the tank? YES NO

K. Subpart K - Surface Impoundments (40 CFR 265.220)

1. Does this section apply to this facility? (YES) NO

2. Does the surface impoundment maintain enough freeboard to prevent any overtopping of the dike by overfilling, wave action, or a storm? (YES) NO

3. Are the surface impoundments designed and operated to allow two feet of freeboard? (YES) NO

4. Do earthen dikes have a protective cover which minimizes erosion (grass, rock, shale)? covered with snow at time of inspection YES NO

5. Is a waste analysis or trial test conducted whenever a surface impoundment is used to chemically treat a HW which is substantially different or treated differently from waste previously treated in the surface impoundment? N/A YES NO

6. Are results of waste analyses documented in the facility's operating record? (YES) NO

7. Are the surface impoundments inspected on a routine basis? How often? (YES) NO

8. Are ignitable or reactive wastes held in a surface impoundment (40 CFR 265.229)? ? YES NO

9. Comments: presently testing for constituents

Inspector: _____
Address: _____
_____
Telephone No: _____

DRAFT
RCRA LAND RESTRICTION F-SOLVENT
GENERATOR CHECKLIST

I. HANDLER IDENTIFICATION

Marco Alaska Petroleum Inc.
A. Handler Name B. Street (or other identifier)

C. City D. State E. Zip Code F. County Name

G. Nature of Business; Identification of Operations

H. EPA ID #

I. Handler Contact (Name and Phone Number)

II. GENERATOR COMPLIANCE

A. F-Solvent Identification

1. Does the handler generate the following wastes?

a. F001 ___Yes ___No
b. F002 ✓Yes ___No → they did this past year
c. F003 ___Yes ___No

If an F003 wastestream listed solely for ignitability has been mixed with a non-restricted solid or hazardous waste, does the resultant mixture exhibit the ignitability characteristic? ___Yes ___No

d. F004 ___Yes ___No

e. F005 ___Yes ___No

2. Source of the above: Form 8700-12 ___; Part A ___; Part B___; other (specify) ___

Appendix A is intended to assist the inspector and enforcement official in determining whether the facility is generating F-solvent vastes, if such vastes vere not identified by the facility previously. If you are concerned that F-solvent vastes may be misclassified or mislabeled, turn to Appendix A. Note concerns below: _____

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

B. BDAT Treatability Group - Treatment Standards Identification — Comments

1. Did the generator correctly determine the appropriate treatability group [268.41] of the waste (Wastewaters containing solvents, pharmaceutical wastewaters containing spent methylene chloride, all other spent solvent wastes)?

__Yes __No

C. Waste Analysis

1. Did the generator determine whether the waste exceeds treatment standards based on [268.7(a)]:

a. Knowledge of wastes ✓Yes __No

b. TCLP __Yes __No

c. Other (specify)_____

If knowledge, note how this is adequate:
listed waste

If determined by TCLP, provide date of last test, frequency of testing, and attach test results.

Dates/frequency:_____

Note any problems:_____

d. Were wastes tested using TCLP when a process or wastestream changed?

__Yes __No

2. Did the F-solvent wastes exceed applicable treatability group treatment standards upon generation [268.7(a)(2)]? ✓Yes __No __Some

3. Did the generator dilute the waste or the treatment residual so as to substitute for adequate treatment [268.3]? __Yes ✓No

D. Management

1. Onsite management

a. Were F-solvent wastes managed onsite?

✓Yes __No

If yes, answer 1(b) and (c); if no, answer 2.

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

b. For wastes that exceed treatment standards, was treatment, storage, and/or disposal conducted? Comments
__Yes ✓No

If yes, TSDF Checklist must be completed.

c. Are test results maintained in the operating record [264.74(b)3/265.73(b)(3)]?
__Yes __No

2. Offsite Management

a. If F-solvent wastes exceed treatment standards, did generator provide treatment facility [268.7(a)(1)]:

(i) EPA waste number? __Yes ✓No

(ii) Applicable treatment standard? __Yes ✓No

(iii) Manifest number? ✓Yes __No

(iv) Waste analysis data, if available? N/A
__Yes __No

For the K050 waste, but not the F002.

Identify offsite treatment facilities _____

b. If F-solvent wastes did not exceed treatment standards, did generator provide the disposal facility [268.7(a)(2)]: N/A

(i) EPA Hazardous waste number? __Yes __No

(ii) Applicable treatment standard? __Yes __No

(iii) Manifest number? __Yes __No

(iv) Waste analysis data, if available?
__Yes __No

(v) Certification that waste meets treatment standards? __Yes __No

Identify land disposal facilities receiving the BDAT certified wastes _____

Handler Name: _____
ID Number: _____
Inspector: _____
Date: _____

c. If waste is subject to nationvide variance [268.30] (e.g., solvent-water mixtures less than 1%), case-by-case extension [268.5] or petition [268.6] does generator provide notice to disposer that waste is exempt from land disposal restrictions [268.7(a)(3)]? N/A

Comments

__Yes __No

E. Storage of F-Solvent Waste

1. Was F-solvent waste stored for greater than 90 days (after variance 180/270 days for SQG) [268.50(a)(1)]?

__Yes ✓No

If yes, was facility operating as a TSD under interim status or final permit? __Yes ✓No

If yes, TSDF Checklist must be completed.

F. Treatment Using RCRA 264/265 Exempt Units or Processes (i.e., boilers, furnaces, distillation units, wastewater treatment tanks, etc.)

1. Were treatment residuals generated from RCRA 264/265 exempt units or processes? N/A

__Yes __No

If yes, list type of treatment unit and processes

_____

_____

_____

If the residuals from a RCRA-exempt treatment unit are above the treatment standards, the owner/operator is considered a generator of restricted waste. The inspector should determine whether the generator requirements, particularly waste identification requirements, have been met for the treatment residuals.

The following 40 CFR Subparts do not have a specific checklist prepared because few of these types of facilities exists in Region X. Inspection made at facilities which operate any of the following would require the inspector to prepare an inspection checklist prior to the site visit.

L. Subpart L - Waste Piles (40 CFR 265.250)
M. Subpart M - Land Treatment (40 CFR 265.270)
N. Subpart N - Landfills (40 CFR 265.300)
O. Subpart O - Incinerators (40 CFR 265.340)
P. Subpart P - Thermal Treatment (40 CFR 265.370)
Q. Subpart Q - Chemical, Physical, and Biological Treatment (40 CFR 265.400)
R. Subpart R - Underground Injection (40 CFR 265.430)

North Pole Refinery

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

Site Name: North Pole Refinery Date: July 13, 1984
EPA ID # AK-D083350389
Location: .25 Richardson Highway
City: North Pole State: Alaska

Site Description and History:

The North Pole Refinery is an active facility which began operations in 1977. The refinery was purchased by MAPCO Petroleum Co. in 1980 from Earth Resources Company of Alaska. The refinery produces jet fuel, kerosene, diesel fuel, and turbine fuel. North Pole Refinery obtains its crude oil from the Alyeska pipeline. According to the Ecology & Environment site inspection report (10/80), crude oil may be refined directly from the pipeline and/or may be stored in storage tanks and refined at a later date. Unused crude oil may be returned to the pipeline. The North Pole Refinery uses various oil additives during distillation. Ethylene glycol and propylene glycol are added to the refinery system as heat transfer mediums. Additives are used to adjust the pH, and water removal chemicals are added to inhibit corrosion (personal conversation with James Boltz, Manager, 7/84). Mr. Boltz stated that the refinery does not generate a significant hazardous waste. Residual oil "bottoms" that remain after distillation are returned (reinjected) to the Alyeska pipeline. Waste oil from machinery is collected and reinjected back into the Alyeska pipeline. Refinery waste oil and waste fuels are re-refined. Solid refuse is landfilled at the Fairbanks North Star Borough Landfill (personal conversation, James Boltz, 7/84). The facility has an SPCC plan and storage tanks are surrounded by adequate berms.

Physical Setting:

The refinery is situated on level terrain and is approximately 3/4 mile from the Tanana River. The area within a 3-mile radius of the site

is heavily forested with a population of approximately 10,000. The site covers an area of approximately 20 acres. According to James H. Boltz, the depth of the four refinery water wells is approximately 150 feet.

Waste Summary:

The North Pole Refinery does not appear to be generating any hazardous wastes. The wastes that are generated, waste oil (270 gallons/month), distillation bottoms are injected into the Alyeska pipeline. Any waste fuels are re-refined (personal conversation, James Boltz, 7/84).

Windshield Inspection Summary:
Site Perimeter Survey 6/21/84:

The North Pole Refinery is a small to medium sized refinery (approximately 20 acres) with 500,000 gallons of oil storage capacity. The site appeared to be in good condition and clean on the surface. There was a lot of construction activity. North Pole Refinery is increasing its storage capacity. The facility is completely fenced.

Site Status:
Priority Assessment: Low

North Pole Refinery does have hazardous substances on site (anti-corrosion inhibitors, pH adjuster, ethylene glycol, propylene glycol). These substances are properly controlled and stored in tanks. Waste oil and refinery wastes are either re-refined or re-injected back into the Alyeska pipeline. Scrap metal and refuse is sent to the Fairbanks North Star Borough Landfill (personal conversation, James H. Boltz, 7/84).

Data Gaps:

The following is a listing of data gaps:

- Past on site disposal practices (Earth Resources Company)

- An inventory of all hazardous substances on site

- Records of past hazardous substance spills.

The North Pole Refinery stores oil and is presently increasing its oil storage capacity. All new storage areas should comply with SPCC guidelines. This facility does not store hazardous wastes. Whatever waste are generated are either re-refined or injected back into the pipeline.

Recommendations:

The following is a listing of recommendations:

- Perform regular SPCC inspections

- Perform site inspection to fill in the above data gaps.

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

State/Site
AK-D083350389

II. SITE NAME AND LOCATION

SITE NAME	STREET ROUTE NO.				
North Pole Refinery	.25 Richardson Highway				
CITY	STATE	ZIP CODE	COUNTY	CODE	CONG
North Pole	AK	99705	Fairbanks	090	00

COORDINATES	LATITUDE	LONGITUDE
	64 44 40	147 20 40

DIRECTIONS TO SITE
From Fairbanks continue south on Richardson Highway to North Pole. Take old Richardson Highway exit. Facility is approximately 1 mile on right.

III. RESPONSIBLE PARTIES

OWNER	STREET		
MAPCO Petroleum, Inc.	1800 S. Baltimore		
CITY	STATE	ZIP CODE	TELEPHONE NUMBER
Tulsa	OK	74101	(918) 584-4471

OPERATOR	STREET		
CITY	STATE	ZIP CODE	TELEPHONE NUMBER
			( ) -

TYPE OF OWNERSHIP:
X PRIVATE FEDERAL STATE COUNTY
MUNICIPAL OTHER UNKNOWN

OWNER OPERATOR NOTIFICATION ON FILE
RCRA3001 DATE: / / CERCLA103C DATE: / / X NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

ON SITE INSPECTION BY
X YES DATE: 8/11/80 Ecology & Environment, Inc.
NO

SITE STATUS
X ACTIVE INACTIVE UNKNOWN

YEARS OF OPERATION
FROM: 1977 TO: Present

DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN OR ALLEGED
waste oil propylene glycol
ethylene glycol misc. fuels waste

DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
There is a potential for a fire and/or explosion at the refinery.

V. PRIORITY ASSESSMENT

PRIORITY FOR INSPECTION
HIGH MEDIUM X LOW NONE

VI. INFORMATION AVAILABLE FROM

CONTACT	AGENCY	TELEPHONE NUMBER
Glenn Miller	Alaska Dept. of Environ. Conservation	(907) 465-2666
PERSON RESPONS. FOR ASSESSMENT	ORGANIZATION	TELEPHONE NUMBER
Scott S. Ferris	Tetra Tech, Inc.	(206) 455-3838
Scott S. Ferris		DATE 7/15/84

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

State/Site
AK-D083350389

II. WASTE STATES, QUANTITIES AND CHARACTERISTICS

PHYSICAL STATES		WASTE QUANTITY AT SITE	WASTE CHARACTERISTICS			
SOLID	SLURRY	TONS	TOXIC		SOLUBLE	
			CORROSIVE		INFECTIOUS	
POWDER	X LIQUID	CUBIC YARDS	RADIOACTIVE		X FLAMMABLE	
			PERSISTENT		IGNITABLE	
SLUDGE	GAS	NO OF DRUMS 5	HIGHLY VOLATILE	X	EXPLOSIVE	
			REACTIVE		NOT APPLIC	
OTHER			INCOMPATIBLE			

III. WASTE TYPE

	SUBSTANCE NAME	GROSS AMT.	UNITS	COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE	270	GA	not stored, injected into pipeline
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEM.			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES

	SUBSTANCE NAME	CAS #	STORAGE DISPOSAL	CONC.	UNITS

V. FEEDSTOCKS

	FEEDSTOCK NAME	CAS #		
	Ethylene glycol	--		
	Propyl glycol	--		
	Crude oil			

VI. SOURCES OF INFORMATION

EPA Region X site file
Ecology & Environment site inspection report 8/80
Site perimeter survey (Scott S. Ferris 6/80)
Personal coversation with James Boltz, Plant Manager (Scott S. Ferris 7/84)

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

III. HAZARDOUS CONDITIONS AND INCIDENTS

GROUNDWATER CONTAMINATION — OBSERVED DATE: / / — POTENTIAL ALLEGED
POPULATION POTENTIALLY AFFECTED:

NA

SURFACE WATER CONTAMINATION — OBSERVED DATE: / / — POTENTIAL ALLEGED
POPULATION POTENTIALLY AFFECTED:

There are berms around the facility`s oil storage area.

X CONTAMINATION OF AIR — OBSERVED DATE: / / — X POTENTIAL ALLEGED
POPULATION POTENTIALLY AFFECTED: 200

Potential for air contamination during oil refining process.

FIRE/EXPLOSIVE CONDITIONS — OBSERVED DATE: / / — X POTENTIAL ALLEGED
POPULATION POTENTIALLY AFFECTED: 30

There is the potential for fire and explosions due to the storage of oil and petroleum products.

X DIRECT CONTACT — OBSERVED DATE: / / — POTENTIAL ALLEGED
POPULATION POTENTIALLY AFFECTED:

The site is secured. People inadvertantly coming into contact with the site is unlikely.

CONTAMINATION OF SOIL — OBSERVED DATE: / / — POTENTIAL ALLEGED
AREA POTENTIALLY AFFECTED: (acres)

NA

DRINKING WATER CONTAMINATION — OBSERVED DATE: / / — POTENTIAL ALLEGED
POPULATION POTENTIALLY AFFECTED:

NA

WORKER EXPOSURE/INJURY — OBSERVED DATE: / / — POTENTIAL ALLEGED
WORKERS POTENTIALLY AFFECTED:

NA

POPULATION EXPOSURE/INJURY — OBSERVED DATE: / / — POTENTIAL ALLEGED
POPULATION POTENTIALLY AFFECTED:

NA

III. HAZARDOUS CONDITIONS AND INCIDENTS (CONTINUED)

DAMAGE TO FLORA	OBSERVED DATE: / /	POTENTIAL ALLEGED
	NA	
DAMAGE TO FAUNA	OBSERVED DATE: / /	POTENTIAL ALLEGED
	NA	
CONTAMINATION OF FOOD CHAIN	OBSERVED DATE: / /	POTENTIAL ALLEGED
	NA	
UNSTABLE CONTAINMENT OF WASTES POPULATION POTENTIALLY AFFECTED:	OBSERVED DATE: / /	POTENTIAL ALLEGED
	NA	
DAMAGE TO OFFSITE PROPERTY	OBSERVED DATE: / /	POTENTIAL ALLEGED
	NA	
CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs	OBSERVED DATE: / /	POTENTIAL ALLEGED
	NA	
ILLEGAL UNAUTHORIZED DUMPING	OBSERVED DATE: / /	POTENTIAL ALLEGED
	NA	

DESCRIPTION OF ANY OTHER KNOWN POTENTIAL OR ALLEGED HAZARDS

NA

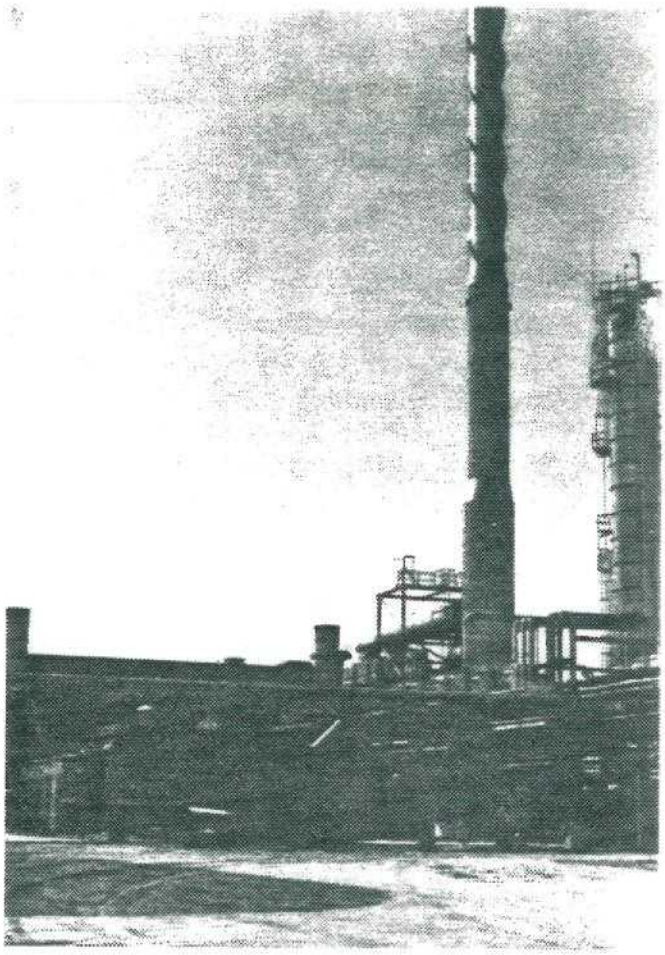
III. TOTAL POPULATION POTENTIALLY AFFECTED 30-300

IV. COMMENTS

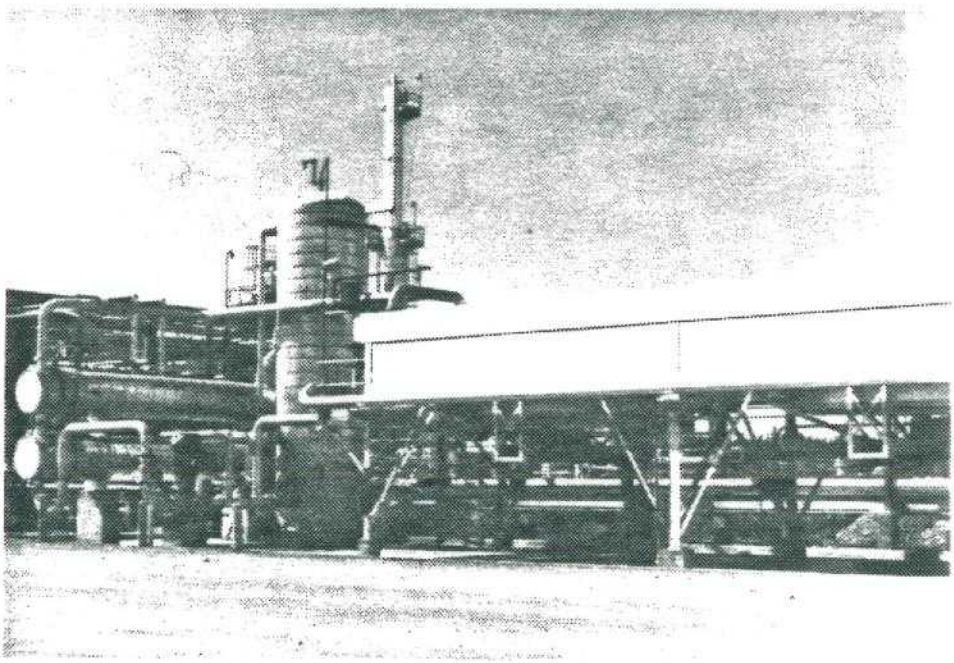
The refinery does not store any waste oil. Once it is collected/generated it is injected into the Alyeska pipeline.

V. SOURCES OF INFORMATION

EPA Region X site files
Ecology & Environment site inspection report 8/80
Site Perimeter Survey (Scott S. Ferris 6/84)



North Pole Refineries,
North Pole, AK 6/21/84



North Pole Refineries, North Pole, AK 6/21/84